

FIG. 1

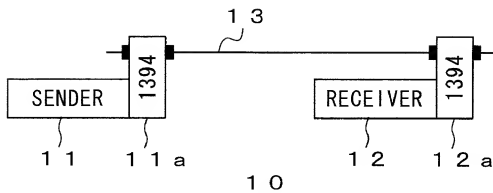


FIG. 2

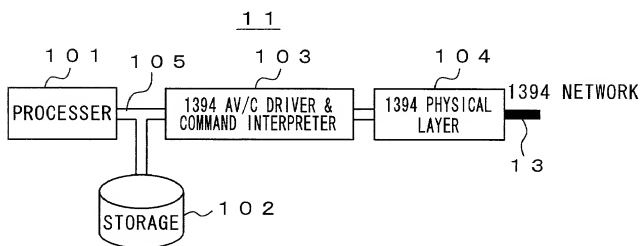
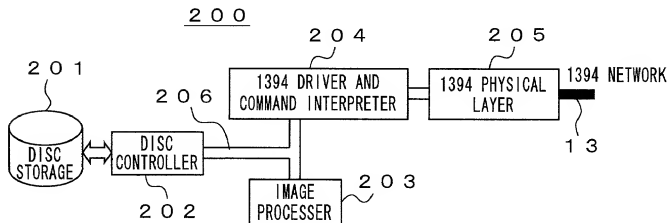
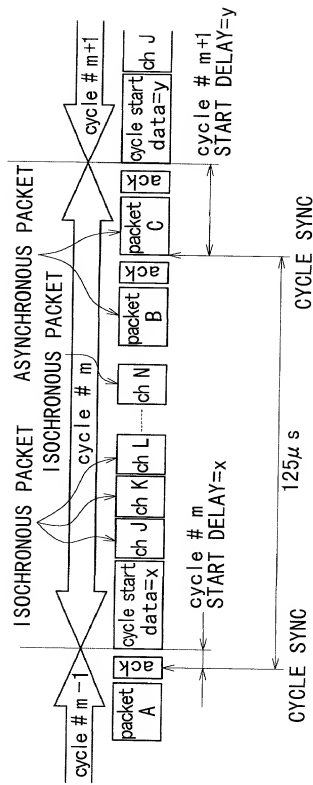


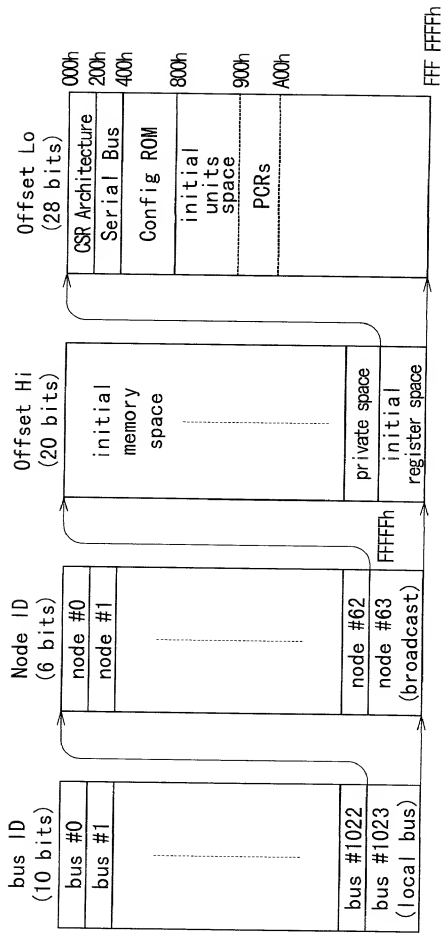
FIG. 3



F I G. 4



F I G. 5



F I G. 6

OFFSETS	NAMES	FUNCTIONS
000h	STATE_CLEAR	STATE AND CONTROL INFORMATION
004h	STATE_SET	SET STATE_CLEAR BIT
008h	NODE_IDS	INDICATE 16-BIT NODE ID
00Ch	RESET_START	START COMMAND RESET
018h-01Ch	SPLIT_TIMEOUT	PRESERVE MAXIMUM TIME OF SPLIT
200h	CYCLE_TIME	CYCLE TIME
210h	BUSY_TIMEOUT	PRESERVE LIMIT OF RETRY
21Ch	BUS_MANAGER	INDICATE BUS MANAGER ID
220h	BANDWIDTH_AVAILABLE	INDICATE BANDWIDTH THAT CAN BE ASSIGNED TO ISOSYNCHRONOUS COMMUNICATION
224h-228h	CHANNELS_AVAILABLE	INDICATE USED STATE OF EACH CHANNEL

FIG. 7

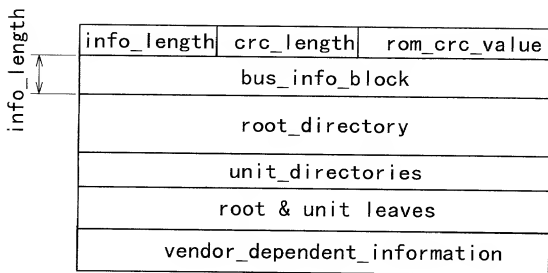


FIG. 9

900h	Output Master Plug Register
904h	Output Plug Control Register #0
908h	Output Plug Control Register #1
⋮	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
⋮	⋮
9FCh	Input Plug Control Register #30

FIG. 8

400h	04h	crc_length	rom_crc_value
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Bus_info_block

404h	"1394"		
408h	limb	anc	reserved
40Ch	Company_ID		Chip_ID_hi
410h	Chip_ID_lo		

Root_directory

414h	root_length	CRC
418h	03h	module_vendor_id
41Ch	0Ch	node_capabilities
420h	8Dh	node_unique_id offset
424h	D1h	unit_directory_offset
428h	Optional.	

Unit_directory

unit_directory_length	CRC
12h	unit_spec_id
13h	unit_sw_version
Optional.	

FIG. 10A

oMPR

data rate capability	broadcast channel base	non-persistent extension field	persistent extension field	reserved	number of output plugs
2	6	8	8	3	5 (bit)

FIG. 10B

oPCR[n]

on-line	broadcast connection counter	point-to-point connection counter	reserved	channel number	data rate	overhead ID	payload
1	1	6	2	6	2	4	10(bit)

FIG. 10C

iMPR

data rate capability	reserved	non-persistent extension field	persistent extension field	reserved	number of output plugs
2	6	8	8	3	5 (bit)

FIG. 10D

iPCR[n]

on-line	broadcast connection counter	point-to-point connection counter	reserved	channel number	reserved
1	1	6	2	6	16 (bit)

FIG. 11

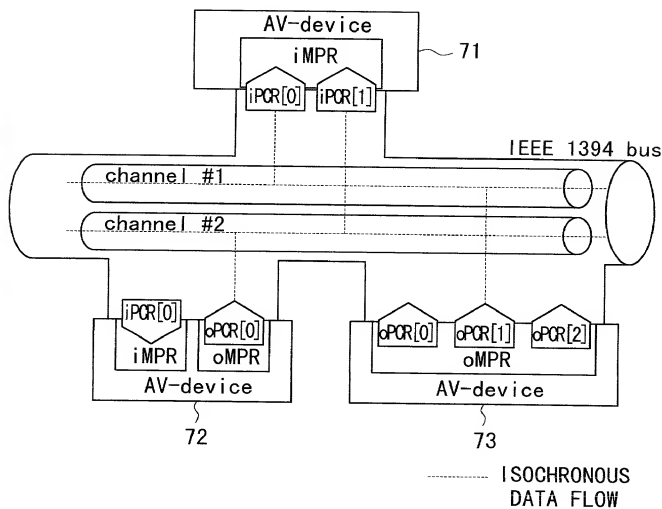


FIG. 13

The General Subunit Identifier Descriptor	
address	contents
00 00 ₁₆	descriptor_length
00 01 ₁₆	
00 02 ₁₆	generation_ID
00 03 ₁₆	size_of_list_ID
00 04 ₁₆	size_of_object_ID
00 05 ₁₆	size_of_object_position
00 06 ₁₆	number_of_root_object_lists(n)
00 07 ₁₆	
00 08 ₁₆	root_object_list_id_0
.....
.....	root_object_list_id_n-1
.....	
.....	subunit_dependent_length
.....	
.....	subunit_dependent_information
.....	
.....	manufacturer_dependent_length
.....	
.....	manufacturer_dependent_information
.....	

US 6,415,452 B1

0 1 2 3 4 5 6 7 8 9
 10 11 12 13 14 15 16 17 18 19
 20 21 22 23 24 25 26 27 28 29
 30 31 32 33 34 35 36 37 38 39
 40 41 42 43 44 45 46 47 48 49
 50 51 52 53 54 55 56 57 58 59
 60 61 62 63 64 65 66 67 68 69
 70 71 72 73 74 75 76 77 78 79
 80 81 82 83 84 85 86 87 88 89
 90 91 92 93 94 95 96 97 98 99

generation_ID values	
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 15

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ –0FFF ₁₆	reserved
1000 ₁₆ –3FFF ₁₆	subunit-type dependent
4000 ₁₆ –FFFF ₁₆	reserved
1 0000 ₁₆ –max list ID value	subunit-type dependent

FIG. 16

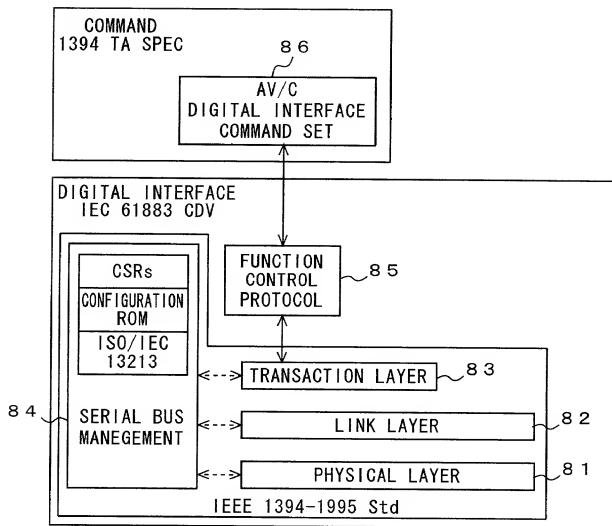


FIG. 17

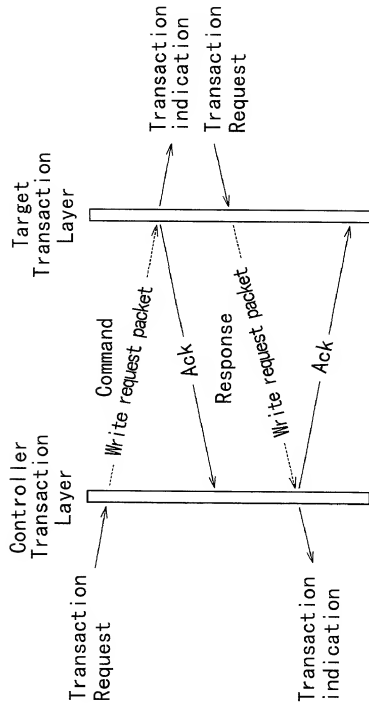


FIG. 18

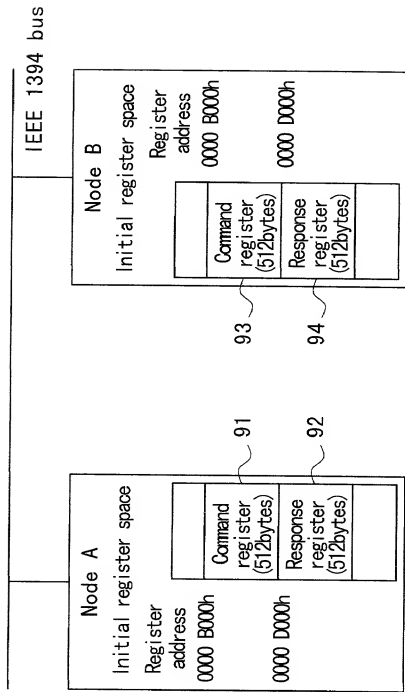


FIG. 19

Asynchronous Packet (Write Request for Data Block)

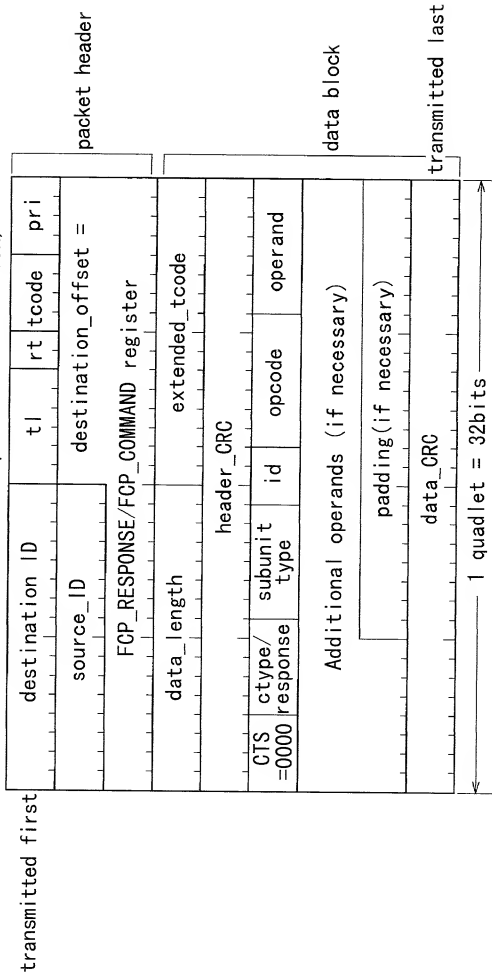


FIG. 20A

ctype/response	
0000	CONTROL
0001	STATUS
0010	SPECIFIC INQUIRY
0011	NOTIFY
0100	GENERAL INQUIRY
0101	{ (reserved for future specification)
0111	
1000	NOT IMPLEMENTED
1001	ACCEPTED
1010	REJECTED
1011	IN TRANSITION
1100	IMPLEMENTED/STABLE
1101	CHANGED
1110	(reserved for future specification)
1111	INTERIM

FIG. 20B

subunit_type	
00000	Video monitor
{	(reserved)
00011	Disc recorder/
	Player
00100	Tape recorder/
	Player
00101	Tuner
00111	Video Camera
{	(reserved)
11100	Vendor unique
11101	reserved
11110	Subunit type
	extended to next
	byte
11111	Unit

FIG. 20C

opcode:Operation Code	
00h	VENDOR-DEPENDENT
50h	SEARCH MODE
51h	TIMECODE
52h	ATN
60h	OPEN MIC
61h	READ MIC
62h	WRITE MIC
C1h	LOAD MEDIUM
C2h	RECORD
C3h	PLAY
C4h	WIND
{	{

FIG. 21A

AV/C control		tape recorder IN THE CASE /player OF IDO	PLAY	FORWARD	
CTS= 0000	ctype= 0000	subunit type= 00100	id= 000	opcode= C3h	operand= 75h

FIG. 21B

AV/C accepted		tape recorder IN THE CASE /player OF IDO	PLAY	FORWARD	
CTS= 0000	response =1001	subunit type= 00100	id= 000	opcode= C3h	operand= 75h

FIG. 22

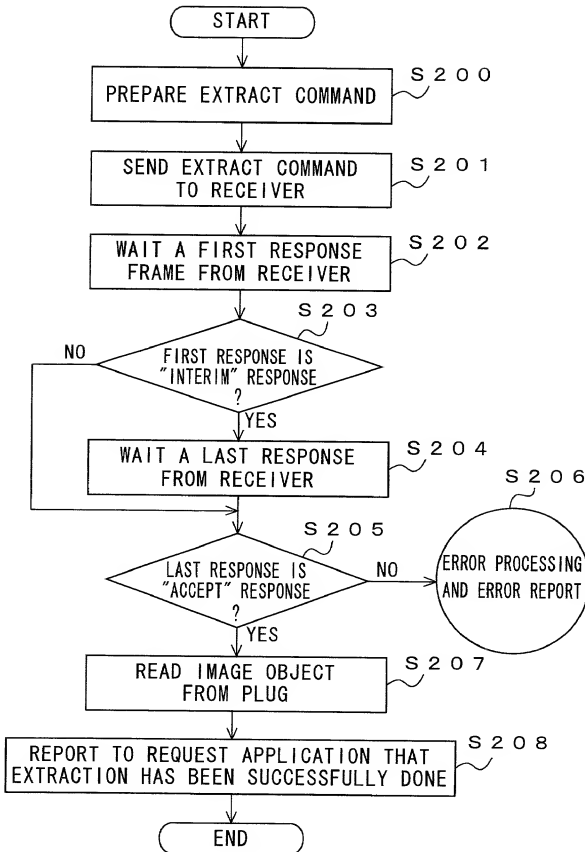


FIG. 23

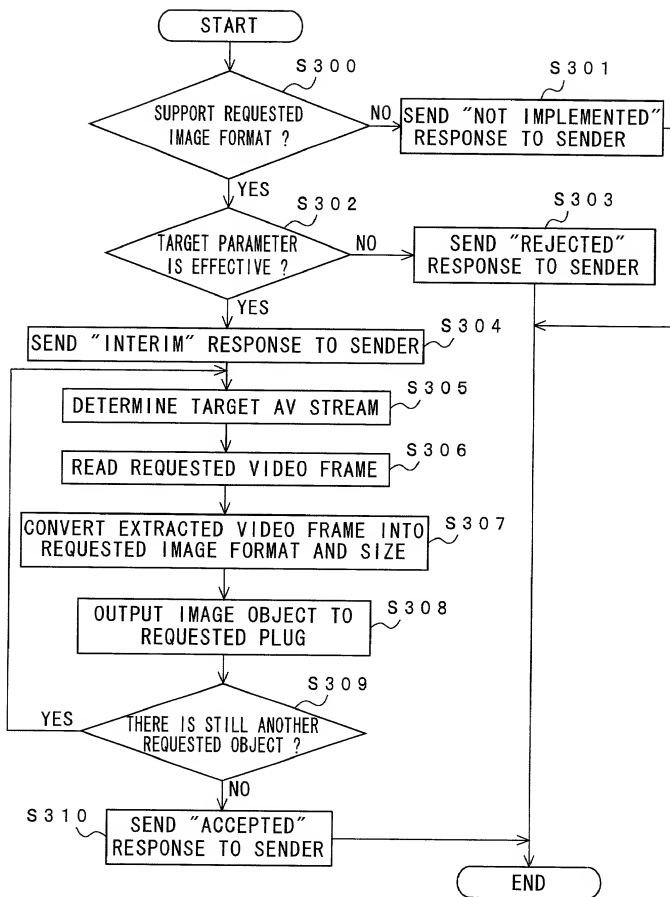


FIG. 24

